



Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

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PRODUCT LITERATURE

DIGIPRINT-458

Product Information

Digiprint-458 is a medium viscosity thickening agent which is applied in the pre-treatment padding process before Ink-Jet printing specially for cotton and viscose fabrics. Digiprint-458 is also suitable for all types of fabrics printed with disperse and reactive. Digiprint-458 locally increases the viscosity thereby prevents spreading of prints. Digiprint-458 delivers level prints with sharp outlines and improved colour value. It has a film forming and adhesion property. The advantage of Digiprint-458 is ready to use product with consistent viscosity. Digiprint-458 is stable as there is no bacterial attack. The feel of the fabric is not affected. It has easy wash-off properties.

Key Features & Benefits

Key Features	Benefits
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Ink Jet printing	Improves colour yield, levelness & sharpness of prints on cotton, polyester, wool, silk and polyamide fabrics
Universal	Suitable for all types of ink
Easy wash-off	Does not interfere in subsequent processing

General Characteristics

Physical appearance	: Light yellow to yellow hazy viscous liquid
Ionic nature	: Anionic
pH of 1% solution	: 6 +/-1
Miscibility	: Miscible with water
Compatibility	: Compatible with anionic and nonionic products
Stability	: Stable to dilute acids and dilute alkalies

Application

1. Ink-Jet printing on Cotton or Viscose (Reactive ink)

Pre-treatment



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Digiprint-458 : 60-100 g/l
Sarakol-NF : 1-3 g/l
Urea : 50-100 g/l
Soda ash : 30-40 g/l
Super R Salt : 10-15 g/l

Pad -> Dry -> Print (Ink-Jet printing)

Ink-Jet Printing

Printing : Ink-Jet with Reactive ink
Steaming : 102-105 deg.C, 7-10 min.

After treatment (Washing)

Cold wash : 5 mins
Soaping : 1-2 g/l Sarakol-1583, 98 deg.C, 5 mins. (twice)
Hot wash : 3 mins at boil (twice)
Cold wash : 5 mins.

2. Ink-Jet printing on Polyester (Disperse ink)

Pre-treatment (Padding)

Digiprint-458 : 50-80 g/l
Sarakol-NF : 1-3 g/l
Kitex-BO : 5-10 g/l

Pad -> Dry -> Print (Ink-jet printing)

Ink-Jet Printing

Printing : Ink-jet with disperse ink
Steaming : 170-180 deg.C, 6-8 min. OR
Thermofix : 180-190 deg.C, 1-2 min. OR
Calendering : 200-210 deg.C, 30 sec.

After-treatment (washing)

Cold wash : 5 mins.
Reduction clearing: 0.5-0.75 g/l, Reducon-ACD (Conc) at



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3.3-3.7 pH, 60-70 deg.C, 10 mins.

Note:

- Digiprint-458 can be applied by coating with 50% diluted product.
- Concentration of Digiprint-458 to be added depending on GSM of fabric. For higher GSM fabric, lesser quantity of Digiprint-458 is required compared to lower GSM fabric.

Precautions

- Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.
- Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]
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